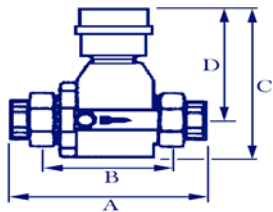


SIZE: Rc1



SIZE: Rc1 1/2

ELSTER JEAVONS GAS METERS

QA & QAe

SCREWED QUANTOMETER GAS METER



Part No. QA - MECHANICAL TOTALISER

Part No. QAe - ELECTRONIC TOTALISER

ALUMINUM BODY WITH THREADED CONNECTIONS

Elster Quantometers are highly reliable gas meters which meet the highest standards. By using the quantometers in production and heating processes, it is possible to control flow of gas precisely and therefore optimise the use of energy.

The QA and QAe quantometers work on the principle of the rotating turbine wheel. The rotation of the turbine wheel is proportional to the volume of the flowing gas.

The QA quantometers are fitted with a 7-digit mechanical totaliser which registers the volume in cubic meters.

The QAe quantometers are fitted with an electronic totaliser. Besides the normal registration of the total volume, the QAe can also display the flow rate, the volume of a key day and the date of the key day.

Meters can be fitted with a high and low frequency pulse output.

Features & Benefits

- DVGW - approved.
- Compact in size.
- High reliability & standards.
- Optional pulse output facility.
- Suitable for various gases.

Pressure & Temperature

Pressure range:-
Up to 16 bar.

Temperature Range:-

Gas -10°C to 60°C.
Ambient (QA) -20°C to 70°C.
Ambient (QAe) 0°C to 50°C.

MODEL	FLOW RANGE	ACCURACY	TURNDOWN
QA10 to QA40	Qmin to 0.2 Qmin 0.2 Qmin to Qmax	+/- 3% +/- 1.5%	20 : 1

MODEL	SIZE BSP FEMALE	FLOW RANGE ACTUAL m³/h		DIMENSIONS				PULSE OUTPUT m³/pulse	
		Qmin	Qmax	A	B	C	D	E1 Low Frequency	E200 High Frequency
QA10	Rc1	1.6	16	240	185	132	90	1/10	1/500
QA16	Rc1	2	25	240	185	132	90	1/10	1/500
QA25	Rc1	2.5	40	240	185	132	90	1/10	1/500
QA40	Rc1	3.3	65	240	185	132	90	1/10	1/500
QA40	Rc1 1/2	5	65	190	125	185	135	1/1	1/250

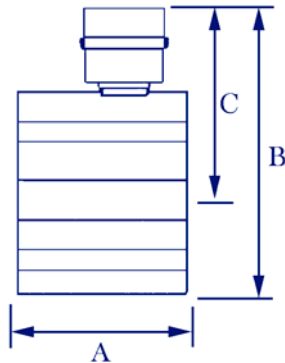
PRESSURE DROP (NATURAL GAS 21 mbar LINE PRESSURE)

MODEL	Flow m³/h	ΔP mbar	Flow m³/h	ΔP mbar	Flow m³/h	ΔP mbar	Flow m³/h	ΔP mbar	Flow m³/h	ΔP mbar
QA10	1.6	0.01	6	0.2	10	0.7	13	1.3	16	2.1
QA16	2	0.01	10	0.7	15	1.8	20	3.4	25	5.5
QA25	2.5	0.05	16	0.8	25	1.6	32	2.5	40	3.8
QA40 (DN25)	3.3	0.07	25	1.6	40	3.8	52	6.2	65	9.5
QA40 (DN40)	5	0.01	25	0.4	40	1.2	52	2.2	65	3.6

ELSTER JEAVONS GAS METERS

QA & QAe

WAFER PATTERN QUANTOMETER GAS METER



Part No. QA - MECHANICAL TOTALISER

Part No. QAe - ELECTRONIC TOTALISER

ALUMINUM BODY WITH WAFER CONNECTIONS

Elster Quantometers are highly reliable gas meters which meet the highest standards. By using the quantometers in production and heating processes, it is possible to control flow of gas precisely and therefore optimise the use of energy.

The QA and QAe quantometers work on the principle of the rotating turbine wheel. The rotation of the turbine wheel is proportional to the volume of the flowing gas.

The QA quantometers are fitted with a 7-digit mechanical totaliser which registers the volume in cubic meters.

The QAe quantometers are fitted with an electronic totaliser. Besides the normal registration of the total volume, the QAe can also display the flow rate, the volume of a key day and the date of the key day.

Meters can be fitted with a high and low frequency pulse output.

Features & Benefits

- DVGW - approved.
- Compact in size.
- High reliability & standards.
- Optional pulse output facility.
- Suitable for various gases.

Pressure & Temperature

Pressure range:-

Up to 16 bar.

Temperature Range:-

Gas -10°C to 60°C.
Ambient (QA) -20°C to 70°C.
Ambient (QAe) 0°C to 50°C.

MODEL	FLOW RANGE	ACCURACY	TURNDOWN
QA65 to QA650	Qmin to 0.2 Qmin 0.2 Qmin to Qmax	+/- 3% +/- 1.5%	20 : 1

MODEL	SIZE	FLOW RANGE		DIMENSIONS			PULSE OUTPUT	
		Qmin	Qmax	A	B	C	E1 Low Frequency	E200 High Frequency
QA65	2" Wafer	5	100	60	185	135	1/1	1/250
QA100	3" Wafer	10	160	120	225	150	1/1	1/187.5
QA160	3" Wafer	13	250	120	225	150	1/1	1/187.5
QA250	4" Wafer	20	400	150	260	210	1/1	1/187.5
QA400	6" Wafer	32	650	180	300	190	1/1	1/187.5
QA650	6" Wafer	50	1000	180	300	190	1/1	1/187.5

PRESSURE DROP (NATURAL GAS 21 mbar LINE PRESSURE)

MODEL	Flow m³/h	ΔP mbar	Flow m³/h	ΔP mbar	Flow m³/h	ΔP mbar	Flow m³/h	ΔP mbar	Flow m³/h	ΔP mbar
QA65	6	0.02	40	1.3	60	3.0	80	5.4	100	8.5
QA100	10	0.01	65	0.2	100	0.5	130	0.9	160	1.4
QA160	13	0.01	100	0.5	150	1.2	200	2.3	250	3.7
QA250	20	0.05	160	0.9	240	1.7	320	2.8	400	4.1
QA400	32	0.04	260	0.6	390	1.1	520	1.7	650	2.5
QA650	50	0.07	400	1.2	600	2.2	800	3.5	1000	5.2